BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE IN WARD NO.05, BYATARAYANAPURA

WORKSLIP 2

Approved Amount	17475749
Name of Contractor:-	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Tender premium:-	+4.97% (Above)

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Excess Amount Paid in 1st RA Bill	Excess amount Now to be Paid	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of Engineer in charge of work.	Sqm	302.36	331.06	100099.30	374.64	374.64	331.06	124028.32	0.00	0.00	0.00	124028.32	23929.02	11328.87	12600.16		
18	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated for all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Cum	16.11	6921.75	111509.39	22.16	20.14	6921.75	139386.74	2.03	6921.09	14023.86	153410.60	41901.21	15558.36	26342.85		
24	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of Engineer in charge of work.(First Floor)	Tonne	10.14	81000.00	821340.00	20.19	12.68	81000.00	1026675.00	7.51	89282.65	670643.49	1697318.49	875978.49	804593.16	71385.34		
27	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc .complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	200.72	1073.69	215511.06	243.75	243.75	1073.69	261711.94	0.00	0.00	0.00	261711.94	66200.88	0.00	66200.88		
30	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	54.26	959.18	52045.11	328.80	67.83	959.18	65056.38	260.98	959.09	250298.49	315354.87	263399.76	0.00	263399.76		
33	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	198.54	309.52	61452.19	265.74	248.18	309.52	76815.13	17.57	309.69	5436.25	82251.38	20799.28	0.00	20799.28		
36	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.(First	Sqm	161.88	238.09	38542.01	745.25	202.35	238.09	48177.51	542.90	238.07	129249.15	177426.66	138884.65	0.00	138884.65		

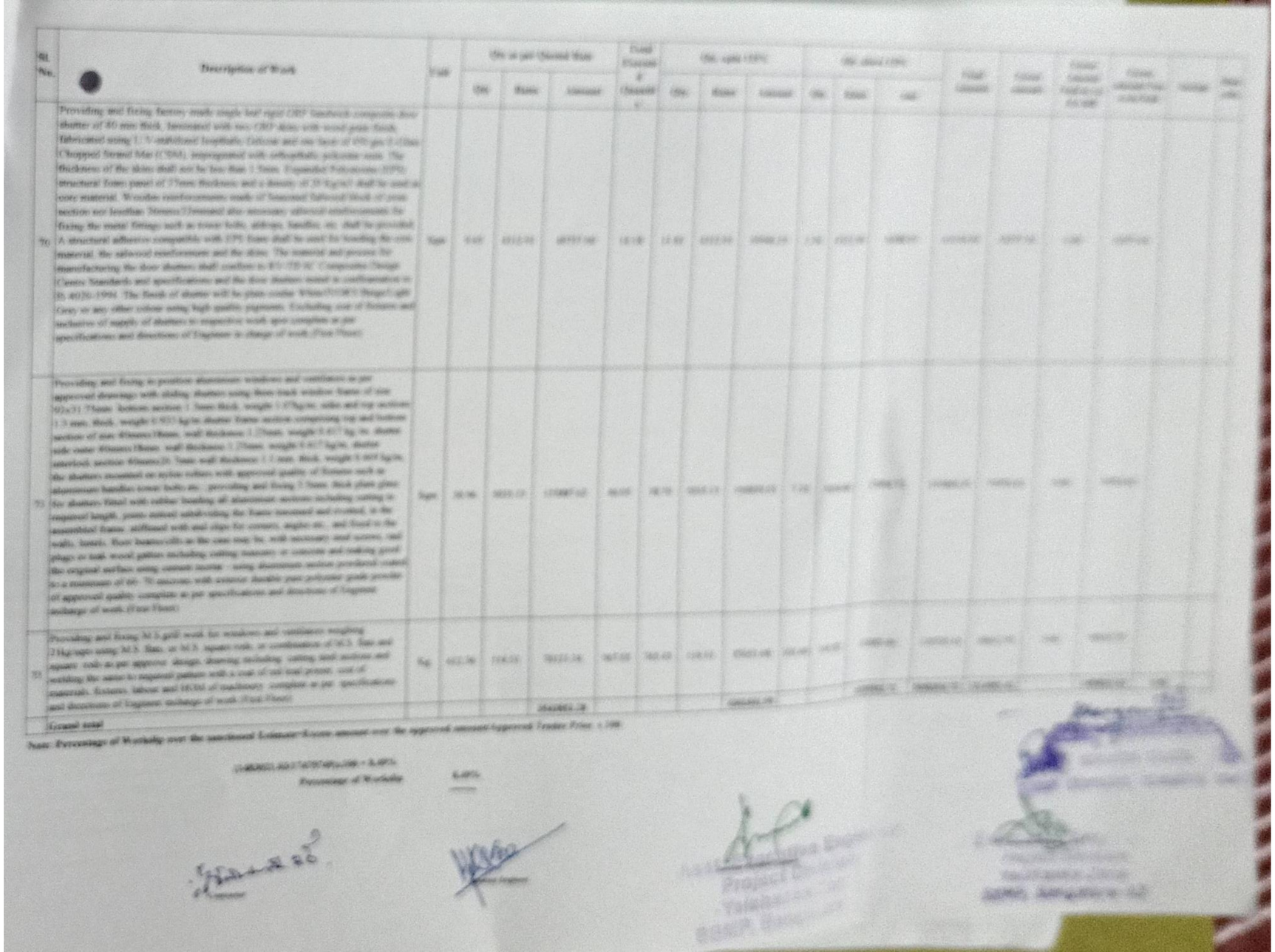
Scanned by TapScanner

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Excess Amount Paid in 1st RA Bill	Excess amount Now to be Paid	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
40	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Sqm	600.02	255.10	153065.10	965.99	750.03	255.10	191331.38	215.97	255.08	55087.73	246419.10	93354.00	0.00	93354.00		
41	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. , complete as per specifications and directions of Engineer in charge of work.	Sqm	1057.74	88.44	93546.53	1780.39	1322.18	88.44	116933.16	458.22	88.43	40518.87	157452.03	63905.50	0.00	63905.50		
42	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.	Sqm	457.73	104.00	47603.92	809.87	572.16	104.00	59504.90	237.71	102.03	24253.44	83758.34	36154.42	0.00	36154.42		
43	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.	Sqm	600.02	136.36	81818.73	966.03	750.03	136.36	102273.41	216.00	133.77	28895.16	131168.57	49349.84	0.00	49349.84		
45	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	198.54	402.15	79842.86	280.74	248.18	402.15	99803.58	32.57	394.52	12847.52	112651.10	32808.23	0.00	32808.23		
47	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of Engineer in charge of work.	Sqm	243.80	729.18	177774.08	331.09	304.75	729.18	222217.61	26.34	715.35	18842.31	241059.91	63285.83	0.00	63285.83		
48	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	253.97	731.49	185776.52	285.35	285.35	731.49	208733.74	0.00	0.00	0.00	208733.74	22957.23	0.00	22957.23		
50	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	254.18	2372.45	603029.34	285.35	285.35	2372.45	676988.57	0.00	0.00	0.00	676988.57	73959.23	0.00	73959.23		
51	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per specifications and directions of Engineer in charge of work.	Sqm	14.56	5149.35	74974.54	21.30	18.20	5149.35	93718.17	3.10	5051.66	15660.15	109378.32	34403.78	0.00	34403.78		

Scanned by TapScanner

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Excess Amount Paid in 1st RA Bill	Excess amount Now to be Paid	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
52	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	14.56	5151.66	75008.17	21.30	18.20	5151.66	93760.21	3.10	5053.93	15667.18	109427.39	34419.22	0.00	34419.22		
54	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	13.50	1374.15	18551.03	17.76	16.88	1374.15	23188.78	0.88	1374.02	1213.26	24402.04	5851.01	0.00	5851.01		
56	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	56.49	1852.60	104653.37	64.68	64.68	1852.60	119826.17	0.00	0.00	0.00	119826.17	15172.79	0.00	15172.79		
58	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per specifications and directions of Engineer in charge of work.	Sqm	66.44	596.37	39622.82	70.70	70.70	596.37	42162.17	0.00	0.00	0.00	42162.17	2539.34	0.00	2539.34		
60	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.	Cum	0.27	99324.01	26817.48	0.38	0.34	99324.01	33521.85	0.04	99314.55	3724.30	37246.15	10428.67	0.00	10428.67		
63	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	1.89	5358.26	10127.11	9.45	2.36	5358.26	12658.89	7.09	5357.75	37973.07	50631.96	40504.85	0.00	40504.85		
66	Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer in charge of work.(First Floor)	Sqm	10.71	8102.02	86772.63	32.76	13.39	8102.02	108465.79	19.37	8101.25	156941.44	265407.23	178634.60	0.00	178634.60		
68	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame complete as per specifications and directions of Engineer in	m	34.20	514.74	17604.11	51.30	42.75	514.74	22005.14	8.55	514.69	4400.59	26405.73	8801.62	0.00	8801.62		

Scanned by TapScanner



Sl. No. | Description of Work | Unit | Quantity as per Revised Rate: Qty | Rate | Amount | Quantity as per Tender: Qty | Rate | Amount | Excess (+) / Saving (-): Qty | Rate | Amount | Total Amount | Total Amount | Excess Amount Paid (+) or Saving | Excess Amount Due (+) or Saving | Savings | Remarks

70 | Providing and fixing factory made single leaf rigid CBD Sandwich composite door shutter of 40 mm thick, laminated with two CBD skins with wood grain finish, fabricated using 1.5 V-stabilized Isophthalic Gelcoat and one layer of 450 gm/ft (Glass Chopped Strand Mat (CSM), impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m³ shall be used as core material. Wooden reinforcements made of Seasoned Salwood/Teak of grade section not lessthan 50mmx25mmand also necessary plywood reinforcements for fixing the mortz fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforcements and the skins. The material and process for manufacturing the door shutters shall confirm to IS:12823 'Composite Design Centre Standards and specifications and the door shutters tested in conformance to IS: 4020-1996. The finish of shutter will be plain coolur White/Off White/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters in respective work upto completion as per specifications and directions of Engineer in charge of work.(First Floor) | Sqm | 0.65 | 4312.55 | 2853.66 | 18.90 | 12.82 | 4312.55 | 55408.19 | 5.90 | 4312.55 | 25447.00 | 4312.55 | 2257.34 | 0.00 | 23189.66 | | 0.00

71 | Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using 4mm track window frame of size 902x531 75mm bottom section 1.5mm thick, weight 1.07kg/m, sides and top sections 1.5 mm. thick, weight 0.933 kg/m shutter frame section comprising top and bottom section of size 41mmx18mm, wall thickness 1.27mm, weight 0.417 kg/m, shutter side outer 41mmx18mm, wall thickness 1.27mm, weight 0.417 kg/m, shutter interlock section 41mmx20. 7mm wall thickness 1.1 mm. thick, weight 0.805 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc., providing and fixing 5 Smm thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred satisfactorily the frame mounted and erected, in the assembled frame stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/sills as the case may be, with necessary steel screws, rawl plugs or teak wood pallets including cutting measures in concrete and making good the original surface using cement mortar - using aluminium section powdercoat coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality, complete as per specifications and directions of Engineer incharge of work.(First Floor) | Sqm | 10.96 | 3035.15 | 33267.12 | 16.00 | 10.79 | 3035.15 | 32753.79 | 5.16 | 3035.15 | 15662.78 | 3035.15 | 1589.21 | 0.00 | 14073.57 | | 0.00

73 | Providing and fixing M.S.grill work for windows and ventilators weighing 2 Kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting mark sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and lifting of machinery complete as per specifications and directions of Engineer incharge of work.(First Floor) | Kg | 612.36 | 114.55 | 70151.34 | 667.00 | 765.45 | 114.55 | 87683.48 | 153.45 | 114.55 | 17582.14 | 87683.48 | 0.00 | 17582.14 | | 0.00

Grand total | | | | | 2644861.28 | | | 2844861.19 | | | 200000.00 | | | | | | 0.00

Note: Percentage of Workshy over the sanctioned Estimate/Excess amount over the approved amount/approved Tender Prize x 100

Percentage of Workshy 6.48%

Project Director
Telecom
BSNL Bangalore

Scanned by TapScanner